



U.S. Patent Appln No. 09/622,089  
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## IN THE SPECIFICATION

Please add the abstract below:

### **ABSTRACT**

A reactor system having a multi-partitioned fluidized bed reactor of a bubbling bed type configured to perform a reaction for treating ore fines while fluidizing raw material fines fed from one side surface of the reactor by a reaction gas injected from a plurality of gas injecting nozzles provided on a gas distributor placed on a lower portion in the reactor is disclosed. The fluidized bed is partitioned into a plurality of compartments by partition plates. A connecting hole for moving the raw material fines from an upstream side compartment to a downstream side compartment is provided. The height difference between the fluidized beds of the upstream and downstream compartments prevents back mixing.